

GENERAL NOTES

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
- THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR REESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR, A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
- DEVELOPER AND/OR CONTRACTOR TO GIVE RCFC 5-DAYS WRITTEN NOTICE PRIOR TO STARTING WORK ON STORM DRAIN OR DOING ANY WORK WITHIN RCFC EASEMENTS). RCFC ENCROACHMENT PERMIT NO. **10-C-240-2180**
- IN PAVEMENT OVERLAY AREAS, ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH A.C. PAVING.

NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY - NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.

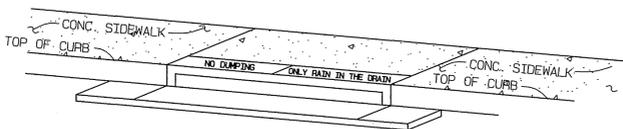
ELECTRIC - CITY OF RIVERSIDE
 GAS - SOUTHERN CALIFORNIA GAS CO.
 TELEPHONE - PACIFIC BELL
 WATER - CITY OF RIVERSIDE

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES SHOWN ON THESE PLANS AND/OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

CALL UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-227-2600 AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION.

CONSTRUCTION NOTES

- CONSTRUCT 18" HDPE PER ADS SPECIFICATION MANUAL OR APPROVED EQUAL
- CONSTRUCT 24" HDPE PER ADS SPECIFICATION MANUAL OR APPROVED EQUAL
- CONSTRUCT 36" HDPE PER ADS SPECIFICATION MANUAL OR APPROVED EQUAL
- CONSTRUCT 42" HDPE PER ADS SPECIFICATION MANUAL OR APPROVED EQUAL
- CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO 405, N & V AS NOTED
- CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO 405 (MODIFIED FOR 2 INLETS)
- CONSTRUCT M.H. EZ PER CITY STD. 431
- CONSTRUCT RCFC STD. M.H. NO. 4 (STD. M.H. 254)
- INSTALL 42"x42"x18" TEE
- CONSTRUCT 30" DRAIN BASIN (NYLOPLAST W/30" TRAFFIC LOAD PEDESTRIAN GRATE) W/ 42"x42"x30" TEE. SEE DETAIL ON SHEET 1
- INSTALL 36"x36"x 6" TEE
- INSTALL 24"x24"x 18" TEE
- INSTALL 24"x24"x 8" TEE
- INSTALL 42"x42"x 6" TEE
- INSTALL ADS N-12 RCP MANHOLE ADAPTER FITTING OR APPROVED EQUAL
- INSTALL FOSSIL FILTER OR APPROVED EQUAL PER DETAIL ON SHEET 3
- CONSTRUCT CONCRETE PIPE COLLAR PER RCFC STD DWG M621
- CONSTRUCT 42" RCP D-1500
- CONSTRUCT M.H. AX PER CITY STD. 430



- (A) STENCILS TO HAVE 2" LETTERS AS FOLLOWS:
NO DUMPING
- (B) PLACE BOTH STENCILS CENTERED WITHIN THE CATCHBASIN OPENING AND WITHIN THE TOP OF THE CURB.
- (C) SPRAY BOTH STENCILS WITH WHITE PAINT.
- (D) REMOVE STENCILS WHEN PAINT IS DRY.

CATCH BASIN STENCILING DETAIL
 NOT TO SCALE

CITY OF RIVERSIDE (SHEETS 1+2)
 WATER DEPARTMENT

APPROVED BY *[Signature]* DATE *9/2/04*

CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT
 OVERHEAD & UNDERGROUND

APPROVED BY _____

BENCH MARK:

H5-C2 CITY OF RIVERSIDE B.M.. BRASS DISC IN MON. WELL. ELEV=777.794 DATUM: 1929

H5-F3 CITY OF RIVERSIDE B.M.. RAILROAD SPIKE IN POWER POLE #16917J. ELEV=788.643 DATUM: 1929



UNDERGROUND SERVICE ALERT
 CALL: TOLL FREE
 1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

CITY BUSINESS TAX CERTIFICATE NO. 005751 EXP. 12-31-04

ALBERT A. WEBB ASSOCIATES
 CIVIL ENGINEERS
 3788 MCCRAY STREET RIVERSIDE, CA 92506
 (951) 685-1070

APPROVED BY *[Signature]* DATE *8-23-04*
 R.C.E. NO. 49405

MARK _____ REVISIONS _____

DESIGNED BY: _____ CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY _____ BY DATE _____
 PRINCIPAL ENGINEER

PARK DEPARTMENT
 TRAFFIC DEPARTMENT
 STREET SERVICES

DEP. P.W. DIRECTOR

DATE *9/3/04*

STORM DRAIN PLAN & PROFILE

PM 30758
 INDEX SHEET

SCALE: AS SHOWN

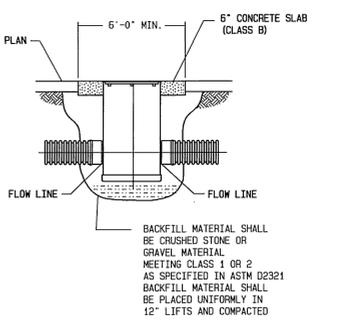
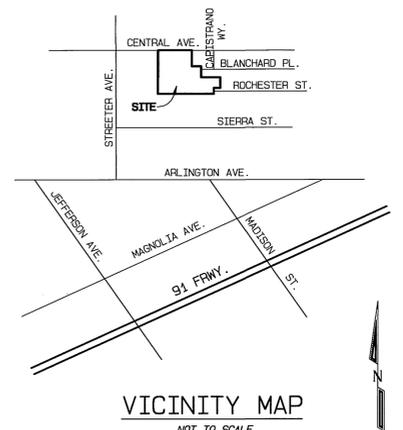
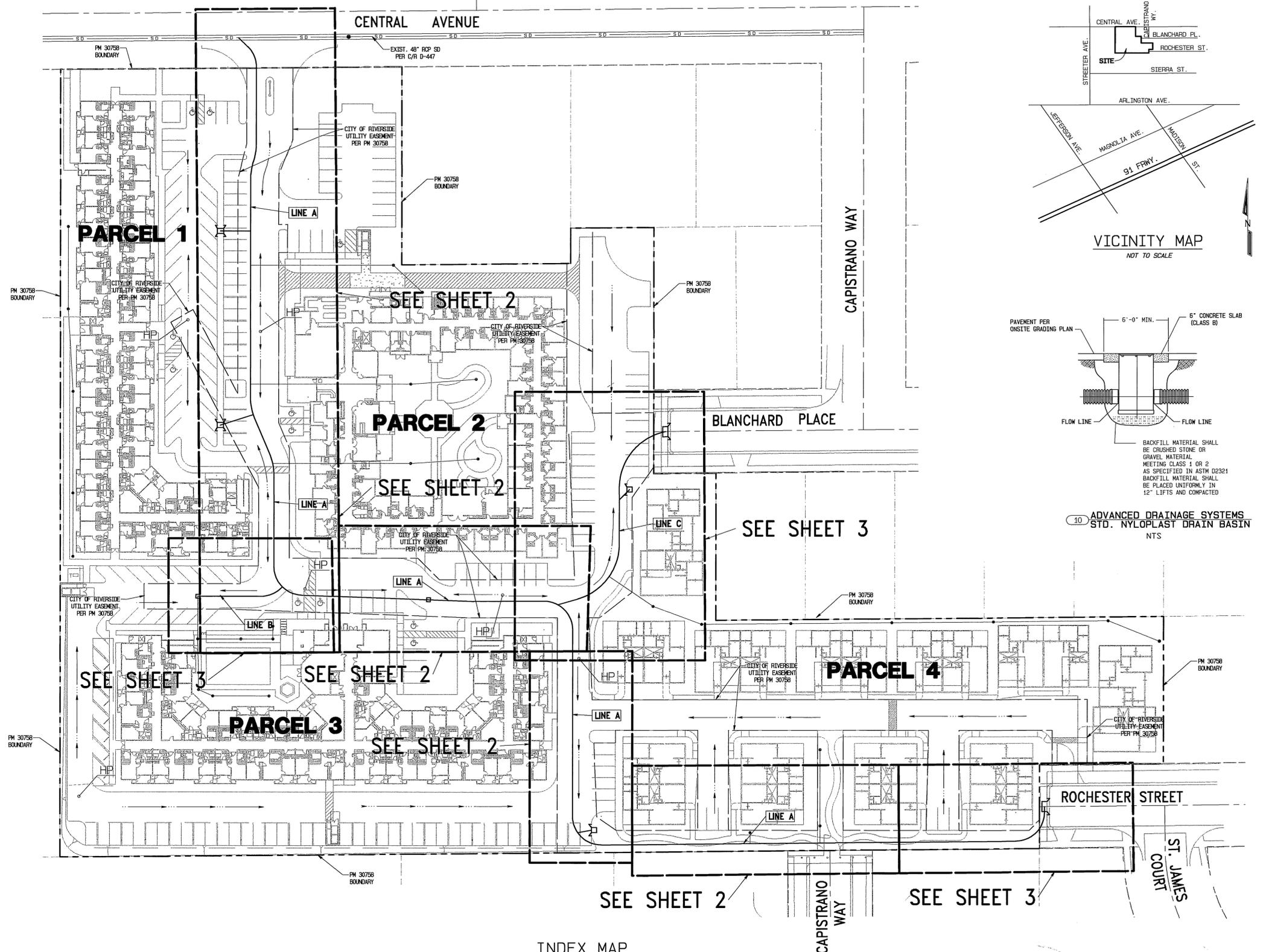
PW04-0413

ACCOUNT NO. 020062

DRAWING NUMBER
D-757

SHEET 1 OF 3

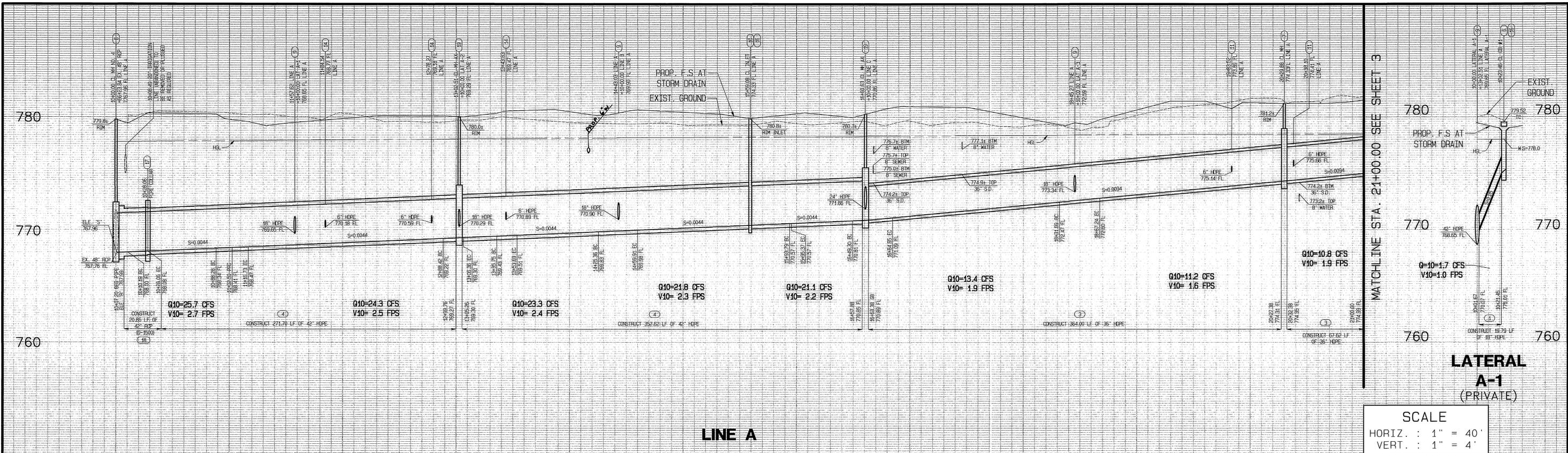
02-0062



ADVANCED DRAINAGE SYSTEMS
 STD. NYLOPLAST DRAIN BASIN
 NTS

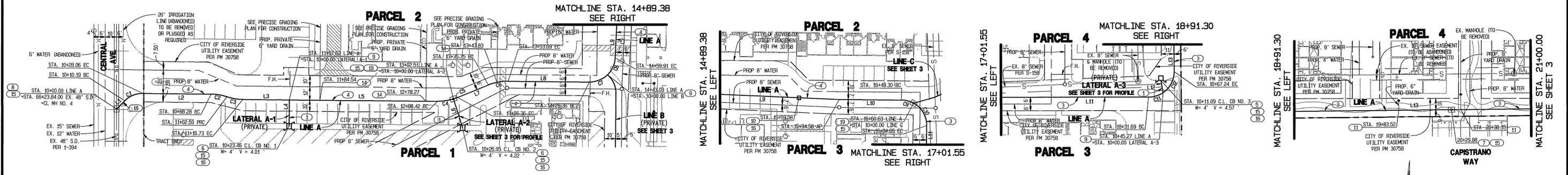
INDEX MAP
 SCALE: 1" = 40'

INDEXED 9-23-04 LHM



SCALE
 HORIZ. : 1" = 40'
 VERT. : 1" = 4'

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 10+00



NOTE: PRIOR TO START OF CONSTRUCTION, CONTRACTOR IS TO VERIFY EXISTING LOCATION AND ELEVATION OF EXISTING STORM DRAIN

CONSTRUCTION NOTES

- 1 CONSTRUCT 18" HDPE PER ADS SPECIFICATION MANUAL OR APPROVED EQUAL
- 2 CONSTRUCT 24" HDPE PER ADS SPECIFICATION MANUAL OR APPROVED EQUAL
- 3 CONSTRUCT 36" HDPE PER ADS SPECIFICATION MANUAL OR APPROVED EQUAL
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- 7 CONSTRUCT M.H. EZ PER CITY STD. 431
- 8 CONSTRUCT RCFC STD. M.H. NO. 4 (STD. M.H 254)
- 9 INSTALL 42" X42" 18" TEE
- 10 CONSTRUCT 30" DRAIN BASIN (NYLOPLAST W/30" TRAFFIC LOAD PEDESTRIAN GRATE) W/ 42" X42" X30" TEE. SEE DETAIL ON SHEET 1
- 11 INSTALL 36" X36" X 6" TEE
- 12 INSTALL 24" X24" X 18" TEE
- 13 INSTALL 24" X24" X 8" TEE
- 14 INSTALL 42" X42" X 6" TEE
- 15 INSTALL ADS N-12 RCP MANHOLE ADAPTER FITTING OR APPROVED EQUAL
- 16 INSTALL FOSSIL FILTER OR APPROVED EQUAL PER DETAIL ON SHEET 3
- 17 CONSTRUCT CONCRETE PIPE COLLAR PER RCFC STD DWG M621
- 18 CONSTRUCT 42" RCP D-1500
- 19 CONSTRUCT M.H. AX PER CITY STD. 430

LINE A

LINE DATA

LINE	BEARING	DISTANCE
L1	N45°27'30"W	10.15'
L2	N00°12'31"E	60.22'
L3	N00°01'10"E	40.85'
L4	N89°58'50"W	23.45'
L5	N00°01'10"E	130.80'
L6	N72°04'56"E	26.95'
L7	N22°48'50"W	29.40'
L8	N00°01'10"E	71.67'
L9	N74°31'00"W	683.50'
L10	N89°58'50"W	54.72'
L11	N00°01'05"E	147.05'
L12	N79°40'39"E	11.09'
L13	N89°30'26"E	324.07'

CURVE DATA

CURVE	DELTA	RADIUS	APC	TANGENT
C1	45°30'01"	22.50'	17.87'	9.44'
C2	18°05'14"	45.00'	14.22'	7.37'
C3	18°07'56"	45.00'	14.24'	7.48'
C4	17°56'55"	45.00'	14.09'	7.10'
C5	4°53'46"	45.00'	3.85'	1.92'
C6	22°50'00"	45.00'	17.93'	9.09'
C7	45°00'00"	22.50'	17.67'	9.32'
C8	42°59'13"	22.50'	16.88'	8.86'
C9	28°49'58"	22.50'	11.32'	5.78'
C10	61°09'56"	22.50'	24.02'	13.30'
C11	34°34'00"	22.50'	13.57'	7.00'
C12	66°56'39"	22.50'	21.97'	11.95'



UNDERGROUND SERVICE ALERT
 CALL: TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK:
 H5-C2 CITY OF RIVERSIDE B.M., BRASS DISC IN MON. WELL. ELEV=777.794 DATUM: 1929
 H5-F3 CITY OF RIVERSIDE B.M., RAILROAD SPIKE IN POWER POLE #16917J. ELEV=788.643 DATUM: 1929



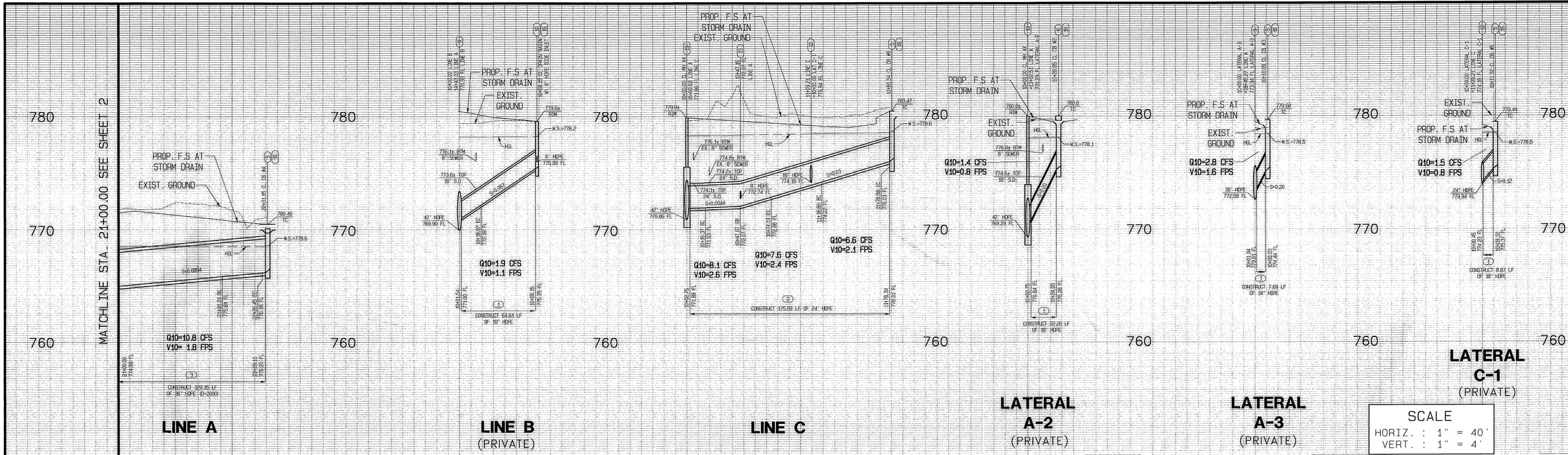
CITY BUSINESS TAX CERTIFICATE NO. 005751 EXP. 12-31-04
ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS
 3788 McCRAY STREET RIVERSIDE, CA 92506 (951) 686-1070
 APPROVED BY: [Signature] DATE: 8-22-04
 R.C.E. NO. 049405

MARK	REVISIONS	APPR.	DATE

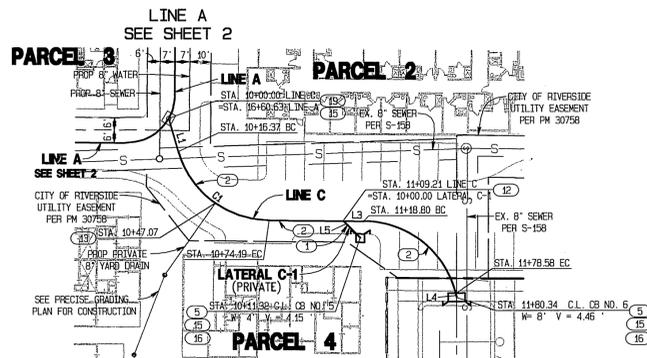
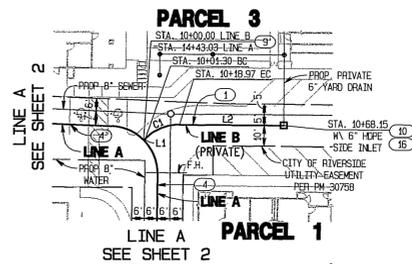
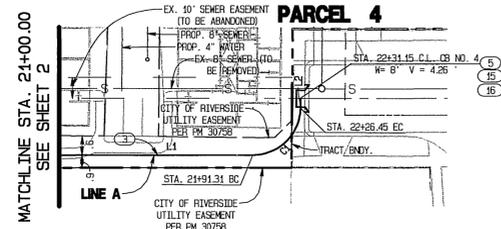
CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature] DATE: 9/3/04
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEER

STORM DRAIN PLAN & PROFILE
 ACCOUNT NO. 020062
 DRAWING NUMBER **D-757**
 SHEET 2 OF 3
 SCALE: HORIZ. = 1"=40' VERT. = 1"=4'
 02-0062

INDEXED 9-23-04 4H

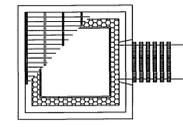


21+00 22+00 10+00 11+00 10+00 11+00 12+00 10+00 10+00

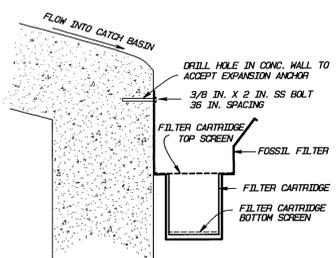


CONSTRUCTION NOTES

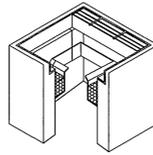
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AERIAL VIEW STANDARD GRATE INLET DETAIL
 (MODIFY FOR CATCH BASIN INLET)
 NTS



CROSS SECTION OF FOSSIL FILTER DETAIL
 NTS



STANDARD GRATE INLET DETAIL
 (MODIFY FOR CATCH BASIN INLET)
 NTS

LINE A

CURVE DATA

CURVE	DELTA	RADIUS	APC	TANGENT
C1	89°29'33"	22.50'	35.14'	22.30'

LINE DATA

LINE	BEARING	DISTANCE
L1	N89°30'26"W	24.07'
L2	N00°00'53"W	4.70'

LINE B (PRIVATE)

CURVE DATA

CURVE	DELTA	RADIUS	APC	TANGENT
C1	45°00'00"	22.50'	17.67'	9.32'

LINE DATA

LINE	BEARING	DISTANCE
L1	N45°01'11"E	1.30'
L2	N89°58'50"W	49.18'

LINE C

CURVE DATA

CURVE	DELTA	RADIUS	APC	TANGENT
C1	73°37'32"	45.00'	97.83'	33.68'
C2	76°07'29"	45.00'	99.79'	35.24'

LINE DATA

LINE	BEARING	DISTANCE
L1	N73°38'42"E	16.37'
L2	N00°01'10"E	35.02'
L3	N00°01'10"E	9.58'
L4	N76°08'40"E	1.75'
L5	N45°01'10"E	11.32'



BENCH MARK:
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CITY BUSINESS TAX CERTIFICATE NO. 005751 EXP. 12-31-04

ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS
 3788 MCCRAY STREET RIVERSIDE, CA 92505 (951) 686-1070
 APPROVED BY: [Signature] DATE: 8-23-04
 R.C.E. NO. CA0405

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature] DATE: 9/3/04
 DIRECTOR OF PUBLIC WORKS

STORM DRAIN PLAN & PROFILE
 PM 30758
 LINE "A"
 SCALE: HORIZ. = 1"=40' VERT. = 1"=4'

ACCOUNT NO. 020062
 DRAWING NUMBER **D-757**
 SHEET 3 OF 3
 02-0062

INDEXED 9-23-04 lft